

EVALUATION OF CIRCUMFERENTIAL AIRFLOW UNIFORMITY ENTERING COMBUSTORS FROM COMPRESSORS

VOLUME II - DATA SUPPLEMENT

November 1972

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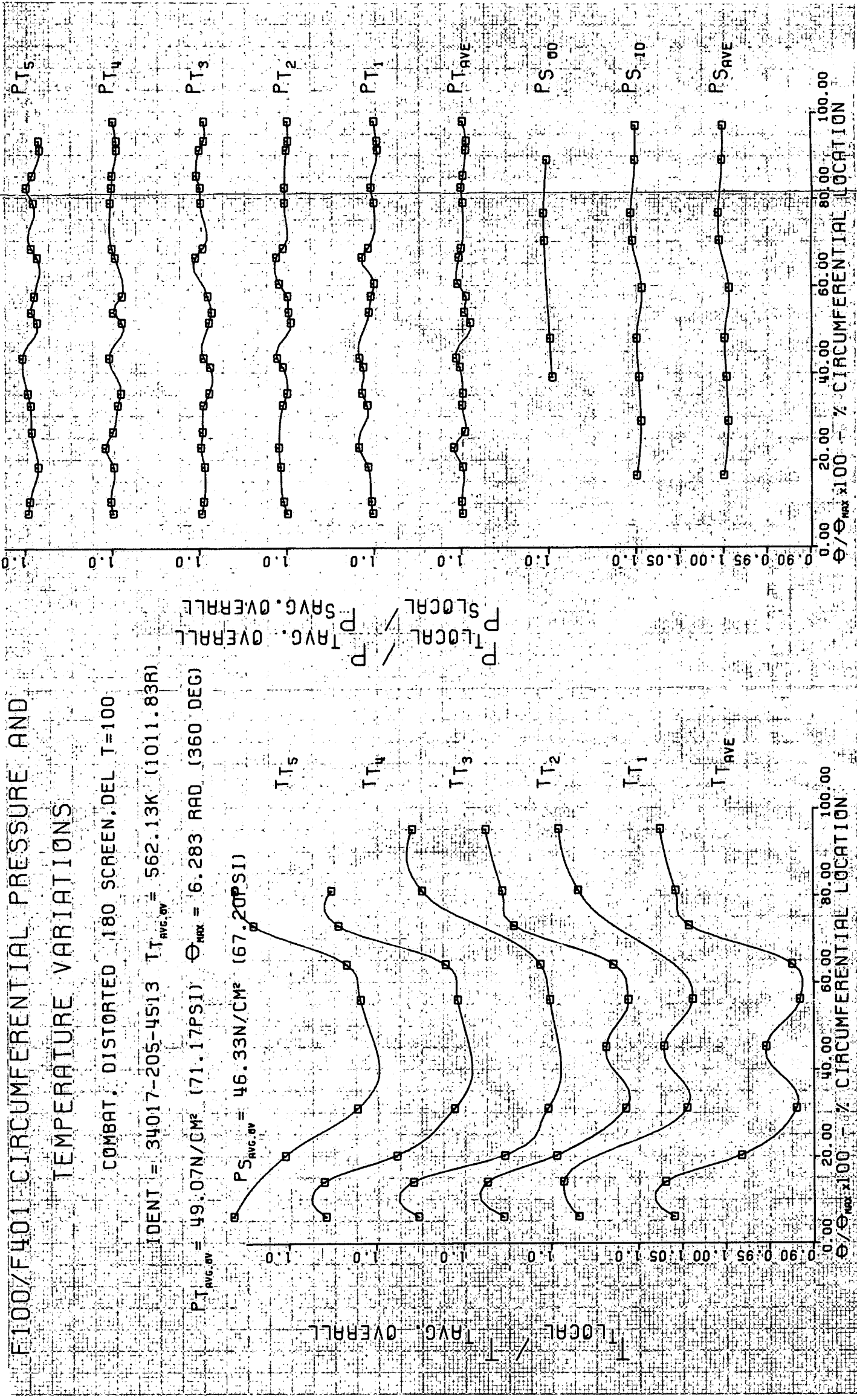
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CIRCUMFERENTIAL AIRFLOW UNIFORMITY
ENTERING COMBUSTORS FROM COMPRESSORS.

J.H. Shadowen, et al (Pratt and Whitney
Aircraft) Nov. 1972 103 p CSCL 20D

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Figure 80.

DF 91999

FOLDOUT FRAME 2

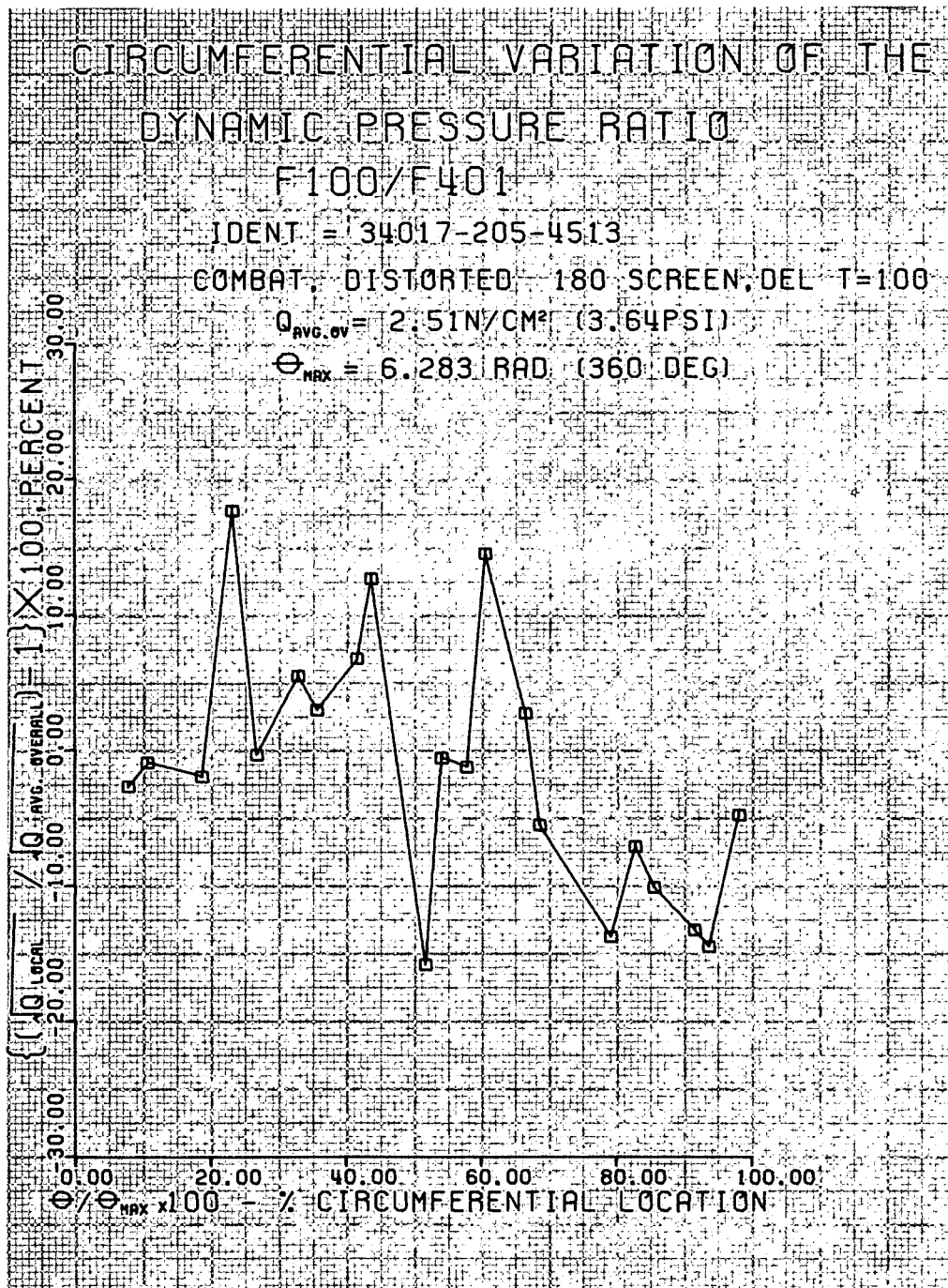
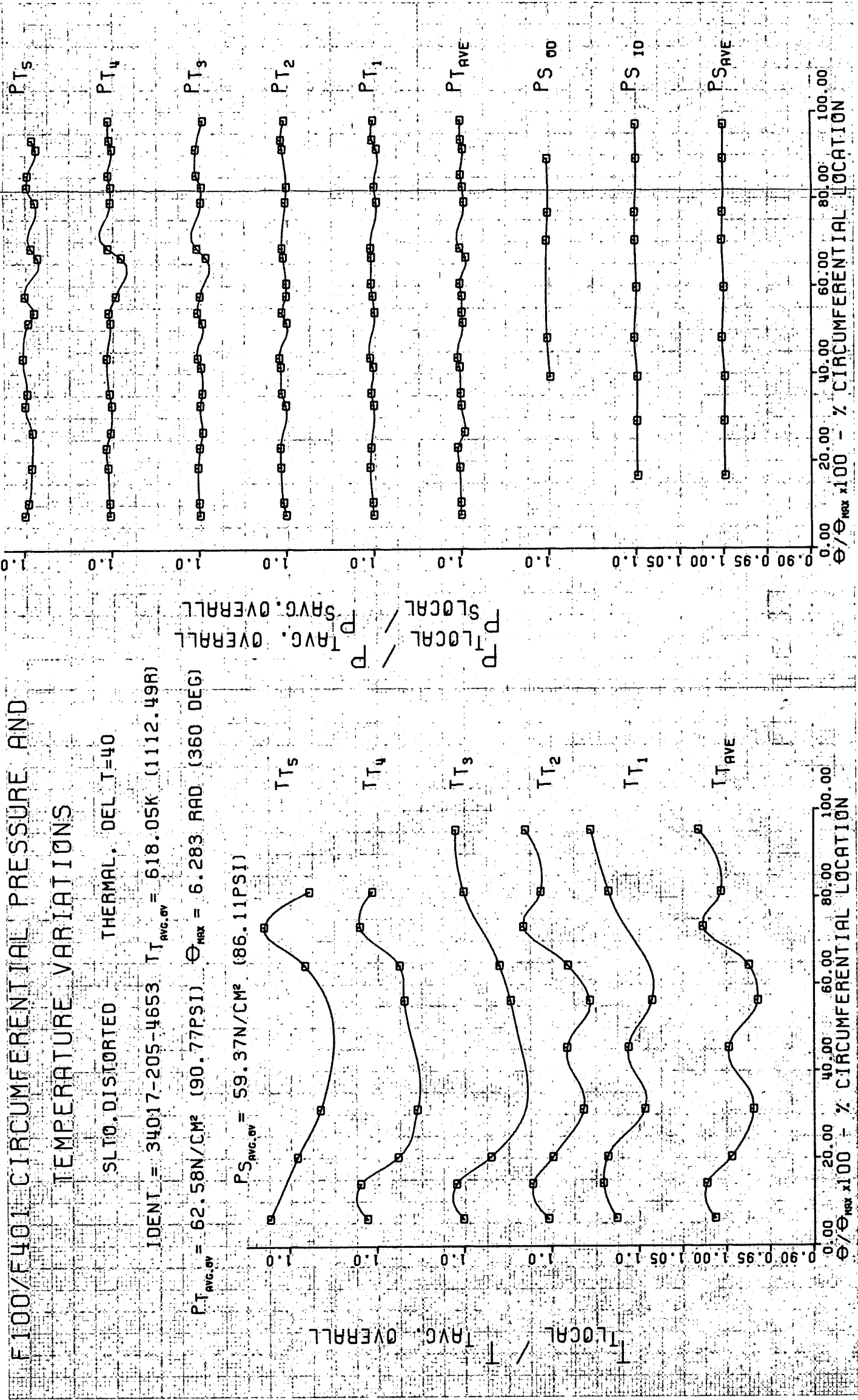


Figure 81.

DF 91968



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Figure 83.

DF 92000

DO NOT FRAME

ORIGINAL DATA

2

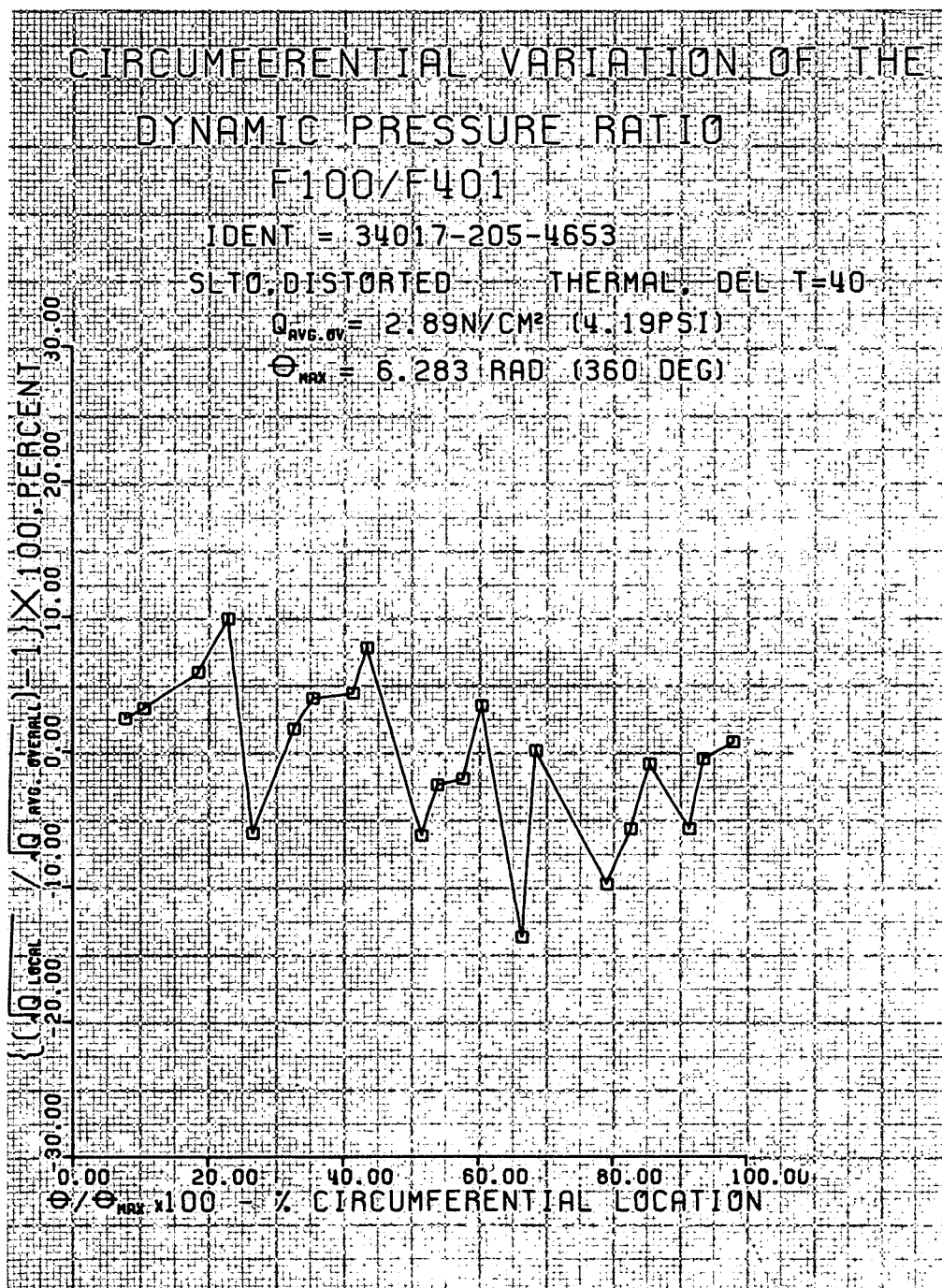


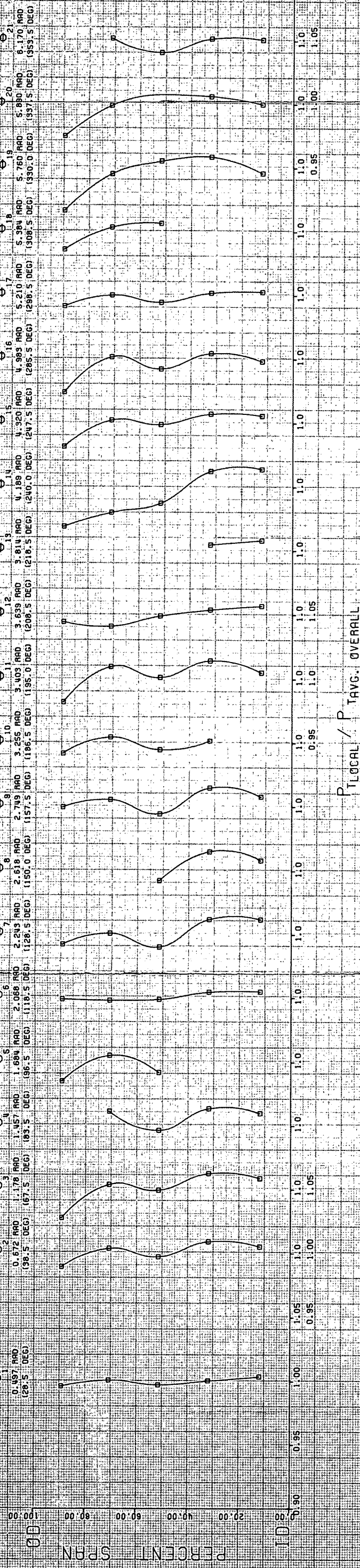
Figure 84.

DF 91969

F100/F401 RADIAL TOTAL PRESSURE PROFILE AT VARIOUS COMPRESSOR DISCHARGE CIRCUMFERENTIAL LOCATIONS

IDENT = 34017-205-6613 SUBSONIC CRUISE, DIST. THERMAL DEL T = 40

PT1 = 58.67N/QM* (85.10PSI)



P_{LOCAL} / P_{TAVG. OVERALL}

DF 91936

F100/F401 RADIAL TOTAL TEMPERATURE PROFILE AT VARIOUS COMPRESSOR DISCHARGE CIRCUMFERENTIAL LOCATIONS

T_{T1} = 578.67K (1041.60R)

IDENT = 34017-205-6613 SUBSONIC CRUISE, DIST. THERMAL DEL T = 40

PT1 = 58.67N/QM* (85.10PSI)

PT2 = 58.67N/QM* (85.10PSI)

PT3 = 58.67N/QM* (85.10PSI)

PT4 = 58.67N/QM* (85.10PSI)

PT5 = 58.67N/QM* (85.10PSI)

PT6 = 58.67N/QM* (85.10PSI)

PT7 = 58.67N/QM* (85.10PSI)

PT8 = 58.67N/QM* (85.10PSI)

PT9 = 58.67N/QM* (85.10PSI)

PT10 = 58.67N/QM* (85.10PSI)

PT11 = 58.67N/QM* (85.10PSI)

PT12 = 58.67N/QM* (85.10PSI)

PT13 = 58.67N/QM* (85.10PSI)

PT14 = 58.67N/QM* (85.10PSI)

PT15 = 58.67N/QM* (85.10PSI)

PT16 = 58.67N/QM* (85.10PSI)

PT17 = 58.67N/QM* (85.10PSI)

PT18 = 58.67N/QM* (85.10PSI)

PT19 = 58.67N/QM* (85.10PSI)

PT20 = 58.67N/QM* (85.10PSI)

PT21 = 58.67N/QM* (85.10PSI)

PT22 = 58.67N/QM* (85.10PSI)

PT23 = 58.67N/QM* (85.10PSI)

PT24 = 58.67N/QM* (85.10PSI)

PT25 = 58.67N/QM* (85.10PSI)

PT26 = 58.67N/QM* (85.10PSI)

PT27 = 58.67N/QM* (85.10PSI)

PT28 = 58.67N/QM* (85.10PSI)

PT29 = 58.67N/QM* (85.10PSI)

PT30 = 58.67N/QM* (85.10PSI)

PT31 = 58.67N/QM* (85.10PSI)

PT32 = 58.67N/QM* (85.10PSI)

PT33 = 58.67N/QM* (85.10PSI)

PT34 = 58.67N/QM* (85.10PSI)

PT35 = 58.67N/QM* (85.10PSI)

PT36 = 58.67N/QM* (85.10PSI)

PT37 = 58.67N/QM* (85.10PSI)

PT38 = 58.67N/QM* (85.10PSI)

PT39 = 58.67N/QM* (85.10PSI)

PT40 = 58.67N/QM* (85.10PSI)

PT41 = 58.67N/QM* (85.10PSI)

PT42 = 58.67N/QM* (85.10PSI)

PT43 = 58.67N/QM* (85.10PSI)

PT44 = 58.67N/QM* (85.10PSI)

PT45 = 58.67N/QM* (85.10PSI)

PT46 = 58.67N/QM* (85.10PSI)

PT47 = 58.67N/QM* (85.10PSI)

PT48 = 58.67N/QM* (85.10PSI)

PT49 = 58.67N/QM* (85.10PSI)

PT50 = 58.67N/QM* (85.10PSI)

PT51 = 58.67N/QM* (85.10PSI)

PT52 = 58.67N/QM* (85.10PSI)

PT53 = 58.67N/QM* (85.10PSI)

PT54 = 58.67N/QM* (85.10PSI)

PT55 = 58.67N/QM* (85.10PSI)

PT56 = 58.67N/QM* (85.10PSI)

PT57 = 58.67N/QM* (85.10PSI)

PT58 = 58.67N/QM* (85.10PSI)

PT59 = 58.67N/QM* (85.10PSI)

PT60 = 58.67N/QM* (85.10PSI)

PT61 = 58.67N/QM* (85.10PSI)

PT62 = 58.67N/QM* (85.10PSI)

PT63 = 58.67N/QM* (85.10PSI)

PT64 = 58.67N/QM* (85.10PSI)

PT65 = 58.67N/QM* (85.10PSI)

Figure 85.

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DF 91937

FOLDOUT FRAME 1

FOLDOUT FRAME 2

FOLDOUT FRAME 3

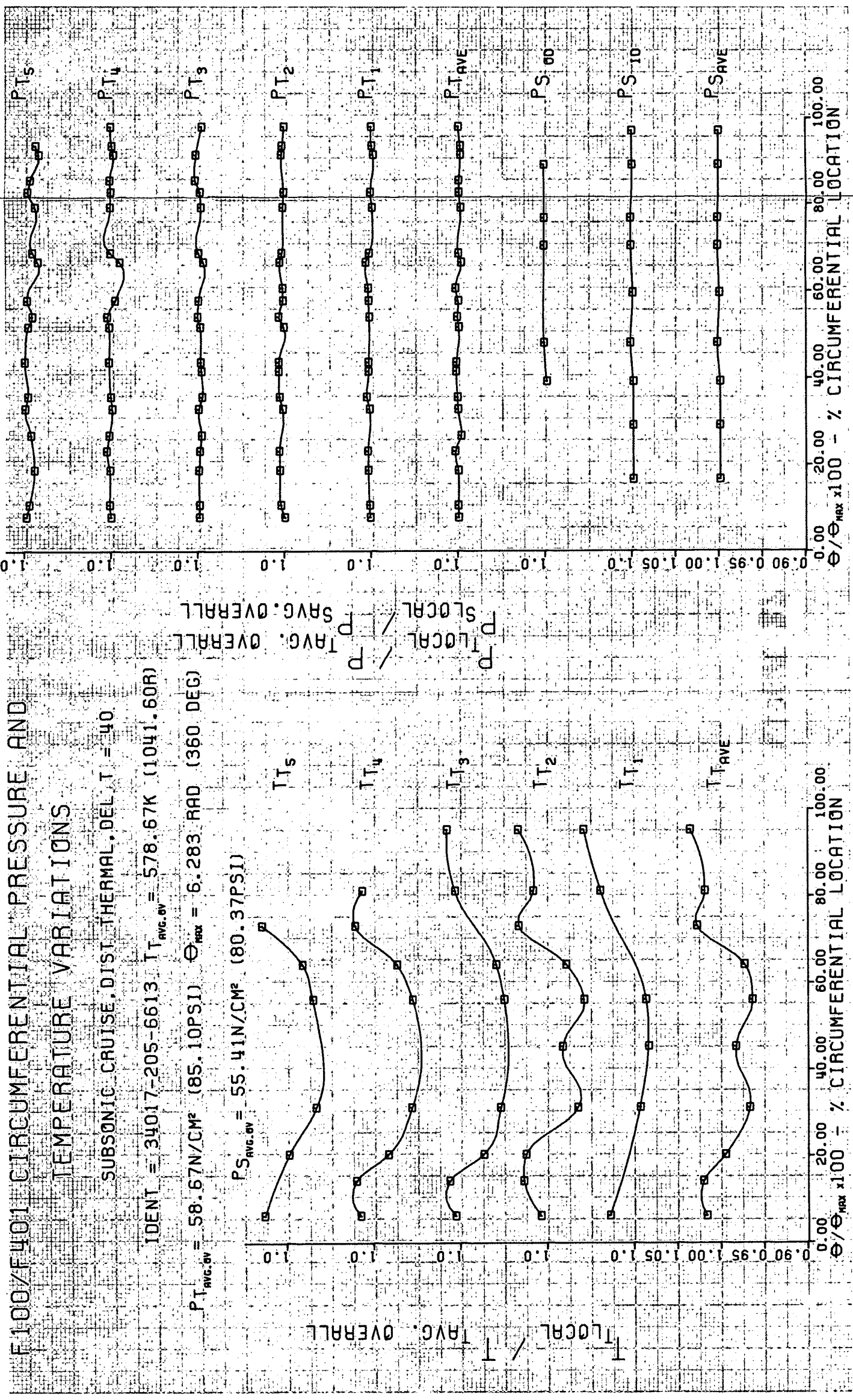


Figure 86. -90- DF 92001

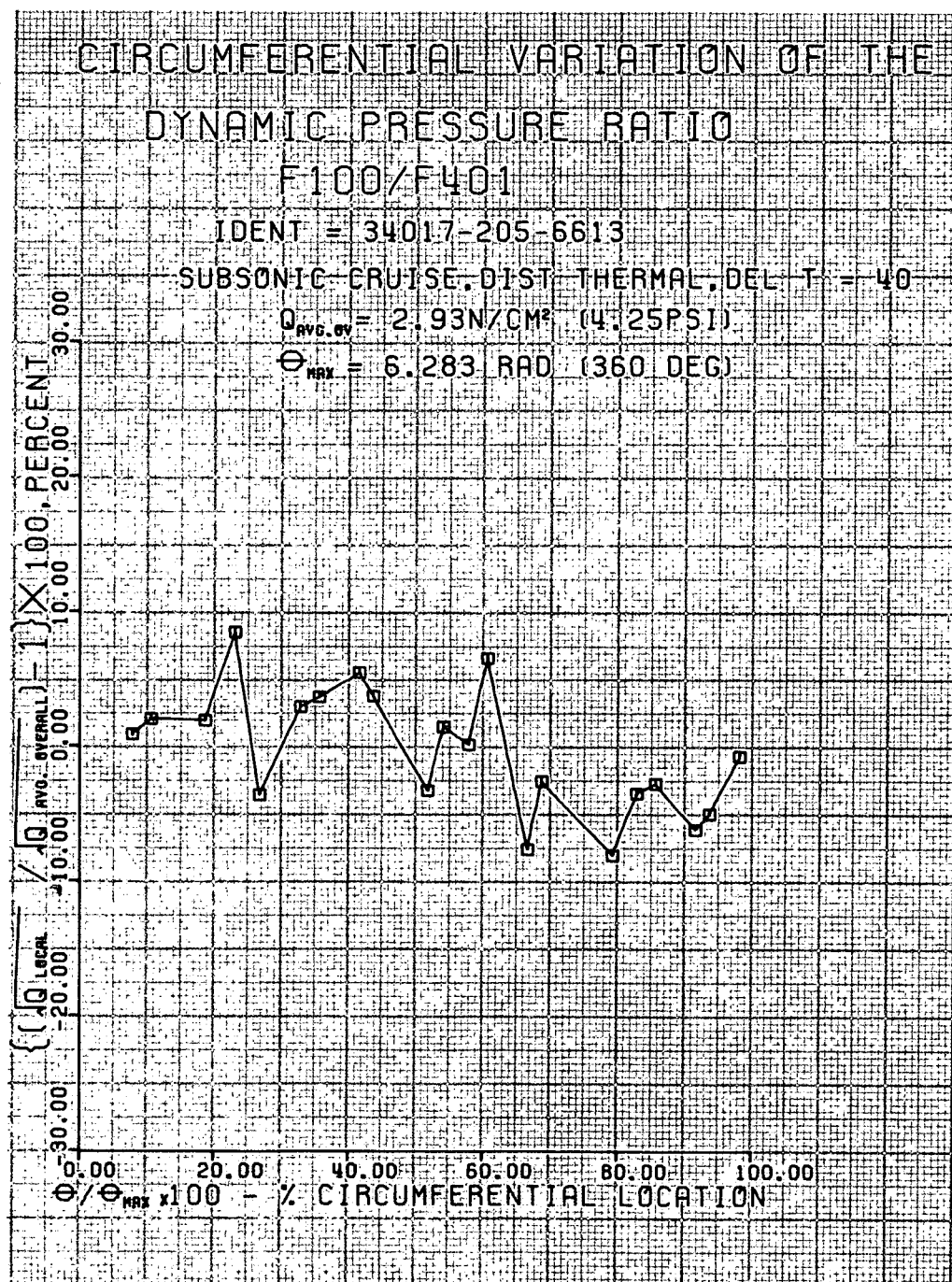


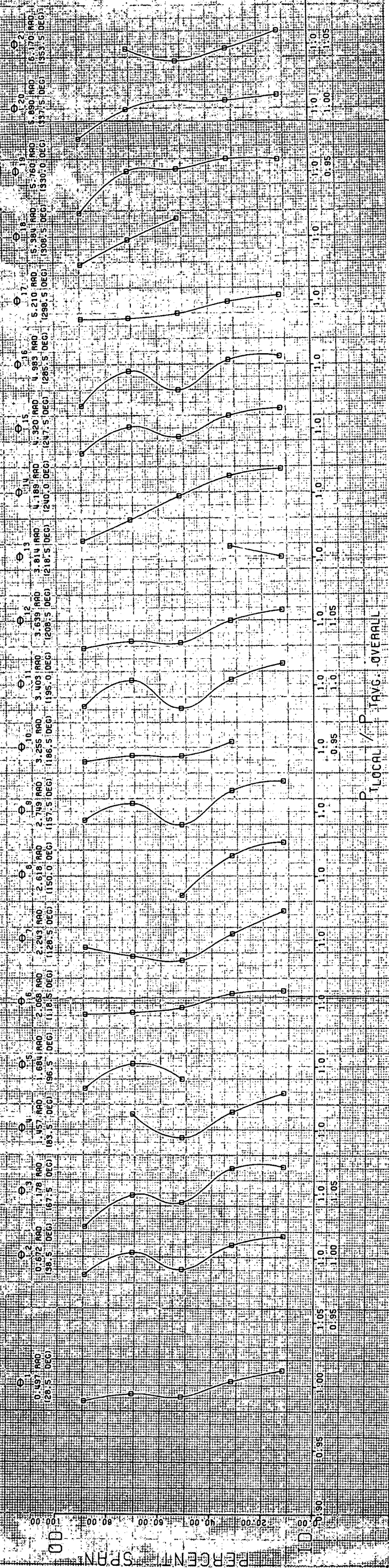
Figure 87.

DF 91970

E100/F401 RADIAL TOTAL PRESSURE PROFILE AT VARIOUS COMPRESSOR DISCHARGE CIRCUMFERENTIAL LOCATIONS

IDENT = 3401.7-205-4614 COMBAT DISTORTED THERMAL DEL T = 40

P_{total} = 50.35N/CM² (73.03PSI)



P_{total} / P_{avg} OVERALL

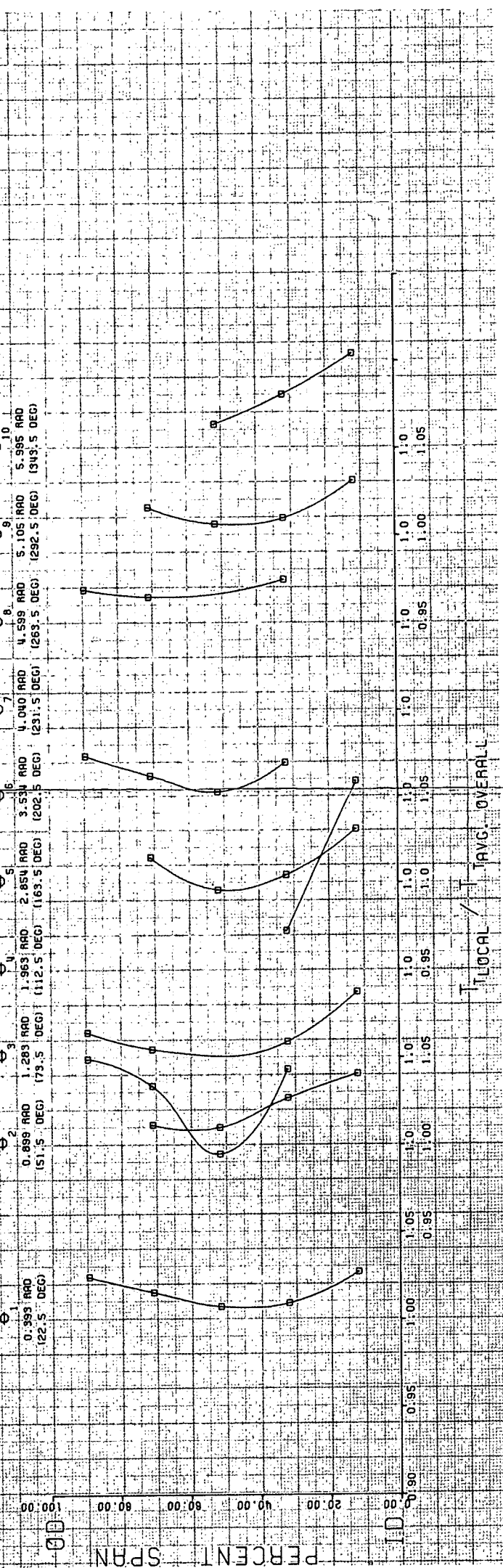
E100/F401 RADIAL TOTAL TEMPERATURE PROFILE AT VARIOUS COMPRESSOR DISCHARGE CIRCUMFERENTIAL LOCATIONS

T_{total} = 529.49K (953.08R)

IDENT = 3401.7-205-4614 COMBAT DISTORTED THERMAL DEL T = 40

T_{total} = 529.49K (953.08R)

P_{total} = 50.35N/CM² (73.03PSI)



T_{total} / T_{avg} OVERALL

DF 91938

INPUT DATA FOR RUN NO. 4614

| ANGLE RAD. (DEG.) | PT1 - I.D. N/CM ² (PSIA) | PT2 N/CM ² (PSIA) | PT3 N/CM ² (PSIA) | PT4 N/CM ² (PSIA) | PT5 - O.D. N/CM ² (PSIA) |
|----------------------|--|---------------------------------|---------------------------------|---------------------------------|--|
| 0.491 (28.5) | 50.99 (73.96) | 50.56 (73.34) | 49.65 (72.45) | 50.06 (72.61) | 49.77 (72.19) |
| 0.981 (57.0) | 51.44 (74.41) | 50.89 (73.83) | 49.52 (72.41) | 50.06 (72.61) | 49.77 (72.19) |
| 1.471 (85.5) | 51.86 (74.83) | 51.37 (74.31) | 49.52 (72.41) | 50.06 (72.61) | 49.77 (72.19) |
| 1.961 (114.0) | 50.00 (0.00) | 49.89 (72.96) | 49.89 (72.96) | 50.06 (72.61) | 49.77 (72.19) |
| 2.451 (142.5) | 50.87 (73.78) | 50.53 (73.34) | 49.89 (72.96) | 50.06 (72.61) | 49.77 (72.19) |
| 2.941 (171.0) | 51.70 (74.99) | 51.37 (74.31) | 49.89 (72.96) | 50.06 (72.61) | 49.77 (72.19) |
| 3.431 (199.5) | 51.59 (74.83) | 51.22 (74.28) | 49.89 (72.96) | 50.06 (72.61) | 49.77 (72.19) |
| 3.921 (228.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 4.411 (256.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 4.901 (285.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 5.391 (313.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 5.881 (342.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 6.371 (370.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 6.861 (399.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 7.351 (427.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 7.841 (456.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 8.331 (484.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 8.821 (513.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 9.311 (541.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 9.801 (570.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 10.291 (598.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 10.781 (627.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 11.271 (655.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 11.761 (684.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 12.251 (712.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 12.741 (741.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 13.231 (769.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 13.721 (798.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 14.211 (826.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 14.701 (855.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 15.191 (883.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 15.681 (912.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 16.171 (940.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 16.661 (969.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 17.151 (997.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 17.641 (1026.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 18.131 (1054.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 18.621 (1083.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 19.111 (1111.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 19.601 (1140.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 20.091 (1168.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 20.581 (1197.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 21.071 (1225.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 21.561 (1254.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 22.051 (1282.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 22.541 (1311.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 23.031 (1339.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 23.521 (1368.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 24.011 (1396.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 24.501 (1425.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 24.991 (1453.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 25.481 (1482.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 25.971 (1510.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 26.461 (1539.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 26.951 (1567.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 27.441 (1596.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 27.931 (1624.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 28.421 (1653.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 28.911 (1681.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 29.401 (1710.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 29.891 (1738.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 30.381 (1767.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 30.871 (1795.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 31.361 (1824.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 31.851 (1852.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 32.341 (1881.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 32.831 (1909.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 33.321 (1938.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 33.811 (1966.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 34.301 (1995.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 34.791 (2023.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 35.281 (2052.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 35.771 (2080.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 36.261 (2109.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 36.751 (2137.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 37.241 (2166.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 37.731 (2194.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 38.221 (2223.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 38.711 (2251.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 39.201 (2280.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 39.691 (2308.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 40.181 (2337.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 40.671 (2365.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 41.161 (2394.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 41.651 (2422.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 42.141 (2451.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 42.631 (2479.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 43.121 (2508.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 43.611 (2536.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 44.101 (2565.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 44.591 (2593.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 45.081 (2622.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 45.571 (2650.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 46.061 (2679.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 46.551 (2707.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 47.041 (2736.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 47.531 (2764.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 48.021 (2793.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 48.511 (2821.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 49.001 (2850.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 49.491 (2878.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 49.981 (2907.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 50.471 (2935.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 50.961 (2964.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 51.451 (2992.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 51.941 (3021.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 52.431 (3049.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 52.921 (3078.0) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 53.411 (3106.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 53.901 (3135.0) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 54.391 (3163.5) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 54.881 (3192.0) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 55.371 (3220.5) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 55.861 (3249.0) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 56.351 (3277.5) | 51.86 (74.83) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 56.841 (3306.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 57.331 (3334.5) | 50.87 (73.78) | 50.53 (73.34) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 57.821 (3363.0) | 51.70 (74.99) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 58.311 (3391.5) | 51.59 (74.83) | 51.22 (74.28) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 58.801 (3420.0) | 50.00 (0.00) | 50.64 (73.45) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19) |
| 59.291 (3448.5) | 51.44 (74.41) | 51.37 (74.31) | 50.07 (72.93) | 50.06 (72.61) | 49.77 (72.19)</ |

F100/F401 CIRCUMFERENTIAL PRESSURE AND TEMPERATURE VARIATIONS

COMBAT, DISTORTED THERMAL, DEL T = 40

IDENT = 34017-205-4614 $T_{I, \text{AVG}} = 529.49\text{K}$ (953.08R)

$P_{T, \text{AVG}} = 50.35\text{N/CM}^2$ (73.03PSI) $\Theta_{\text{MAX}} = 6.283\text{ RAD}$ (360 DEG)

$P_{S, \text{AVG}} = 47.27\text{N/CM}^2$ (68.55PSI)

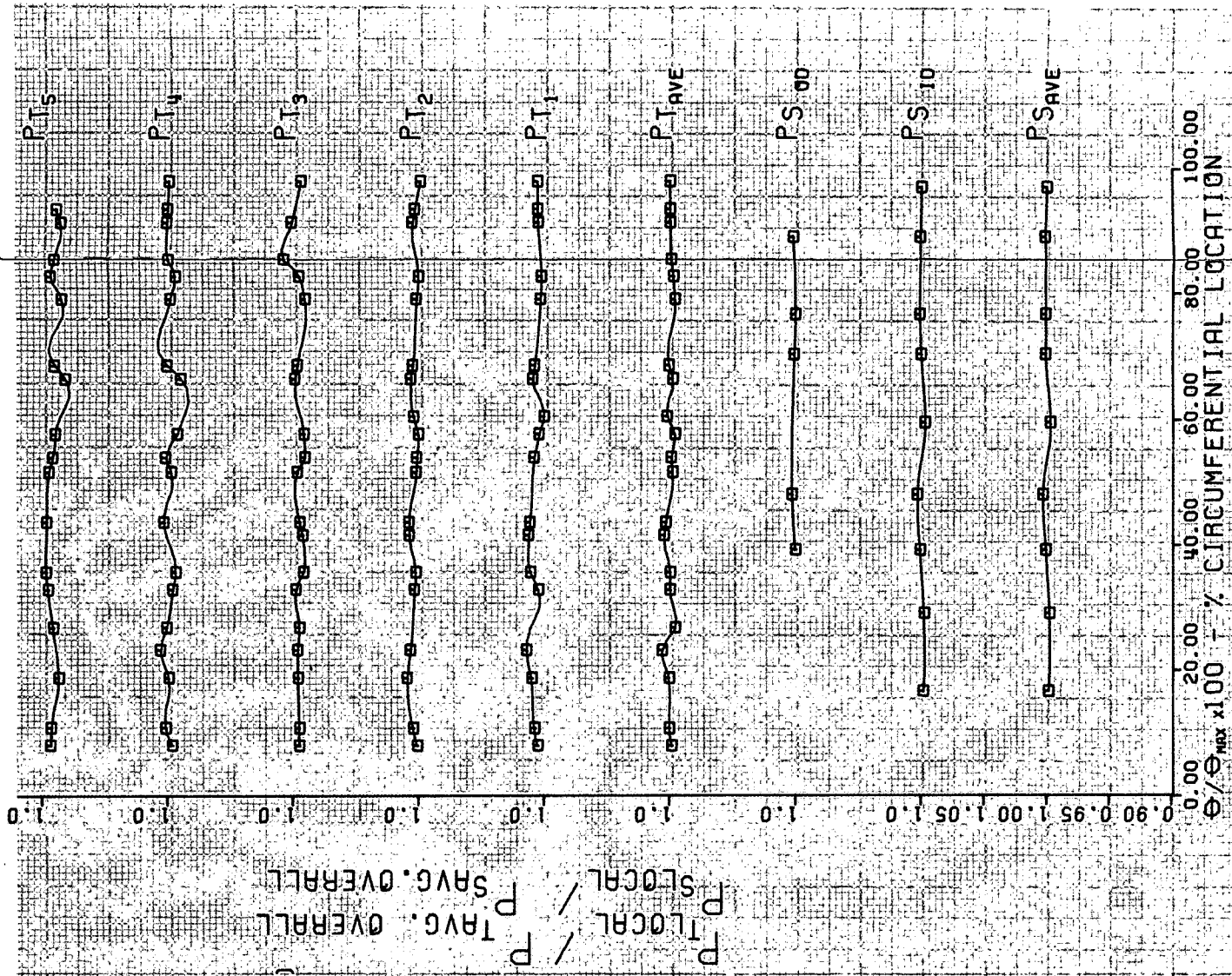
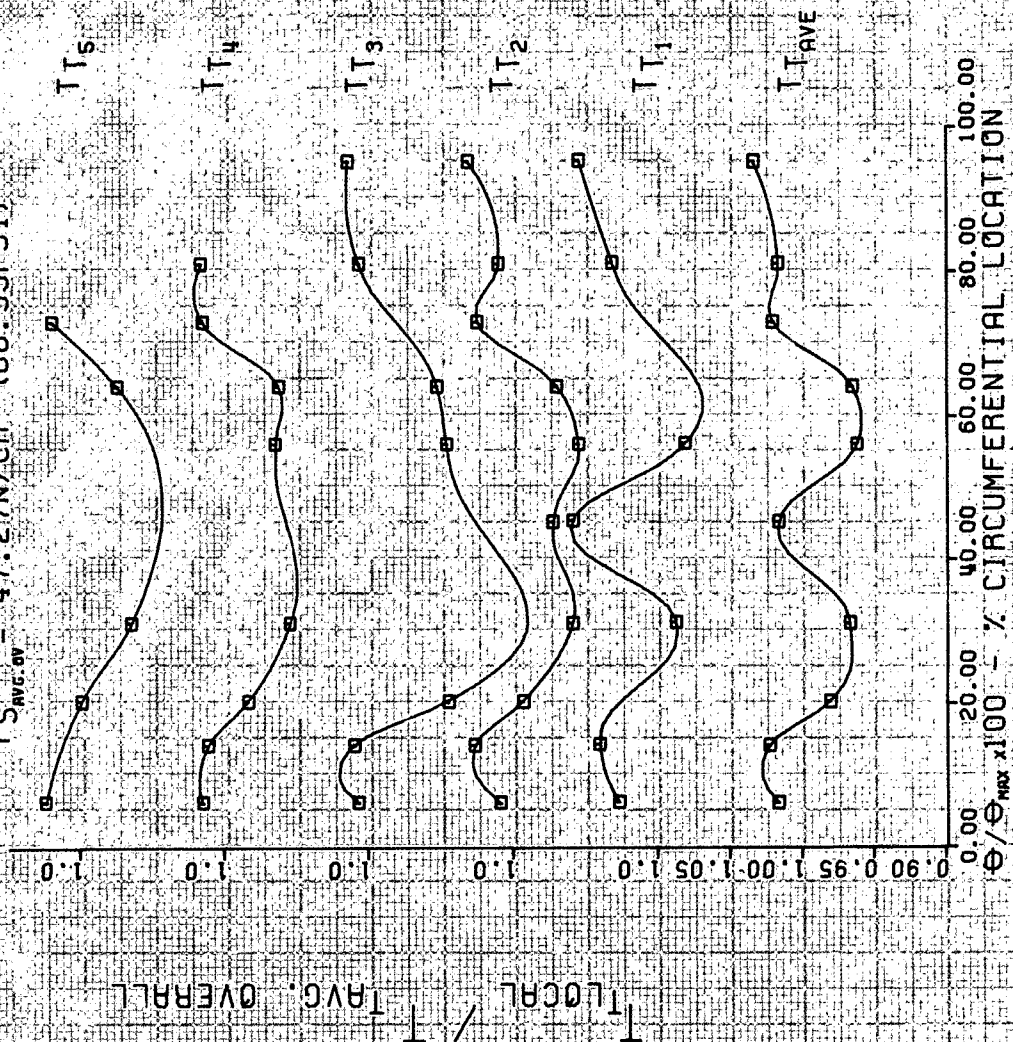


Figure 89.

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DF 92002

FOLDOUT PAGE 1

FOLDOUT FRAME 2

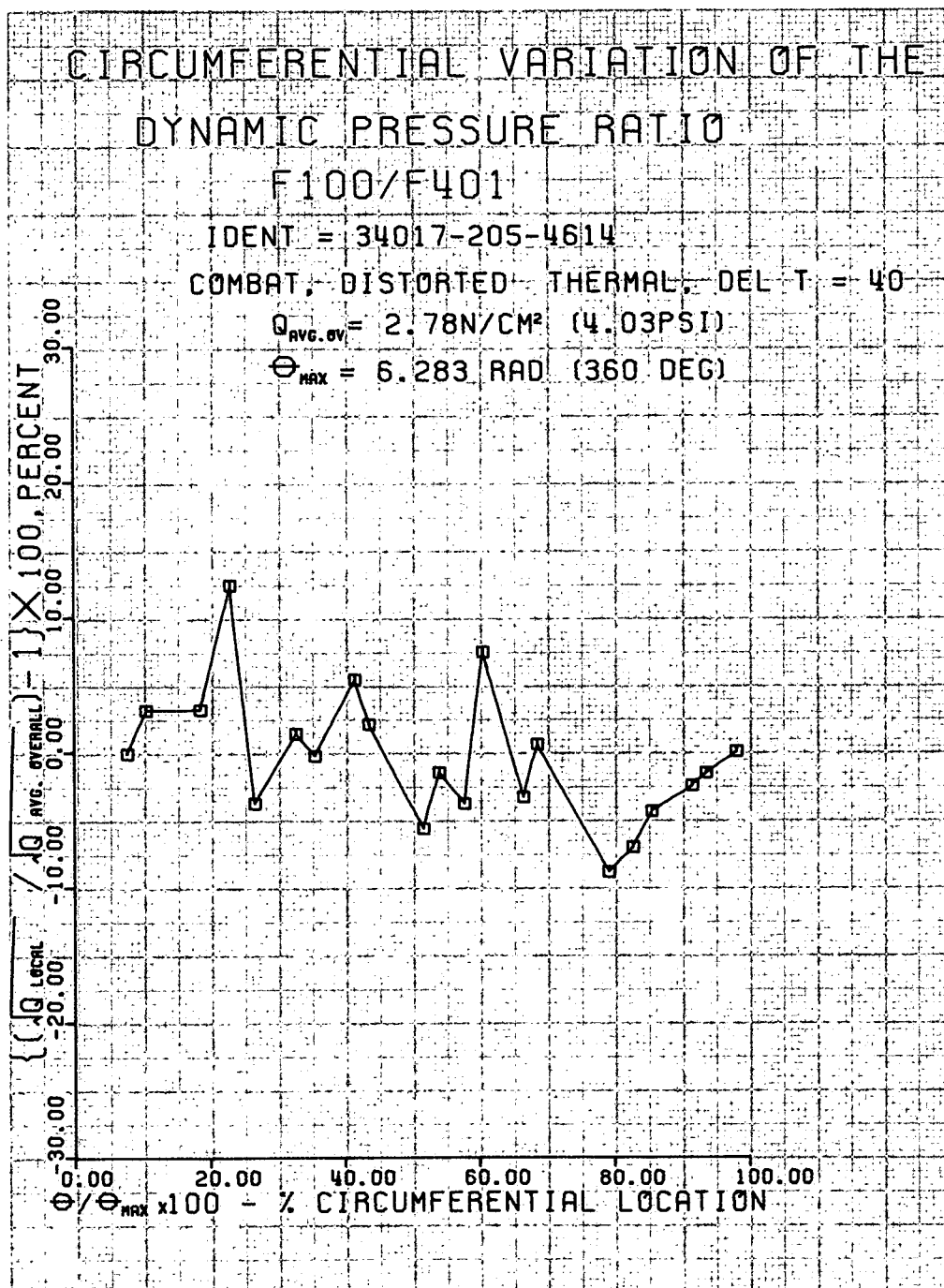
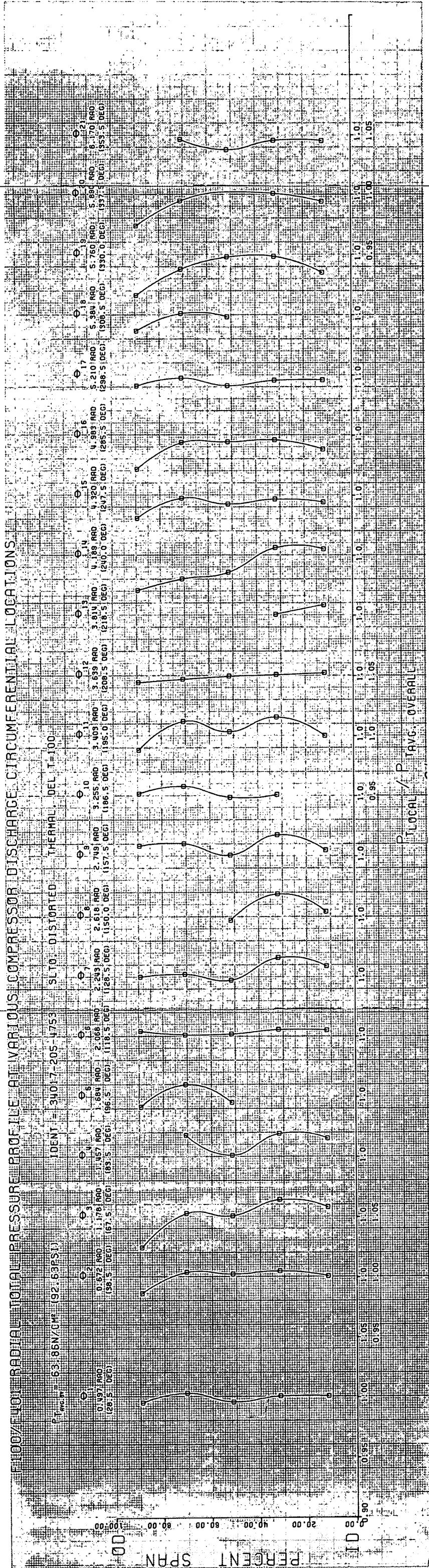
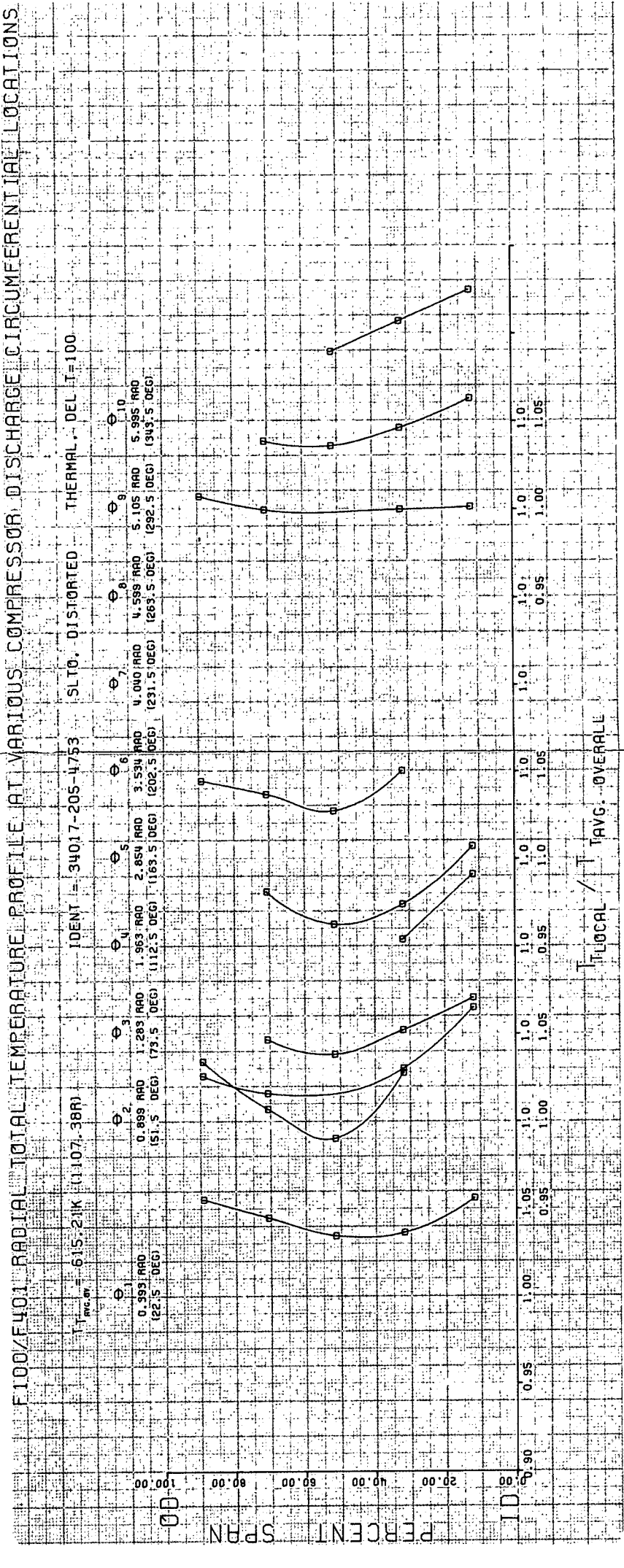


Figure 90.

DF 91971



DF 91940



DF 91941

Figure 91.

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FOLDOUT FRAMES

FOLDOUT FRAMES

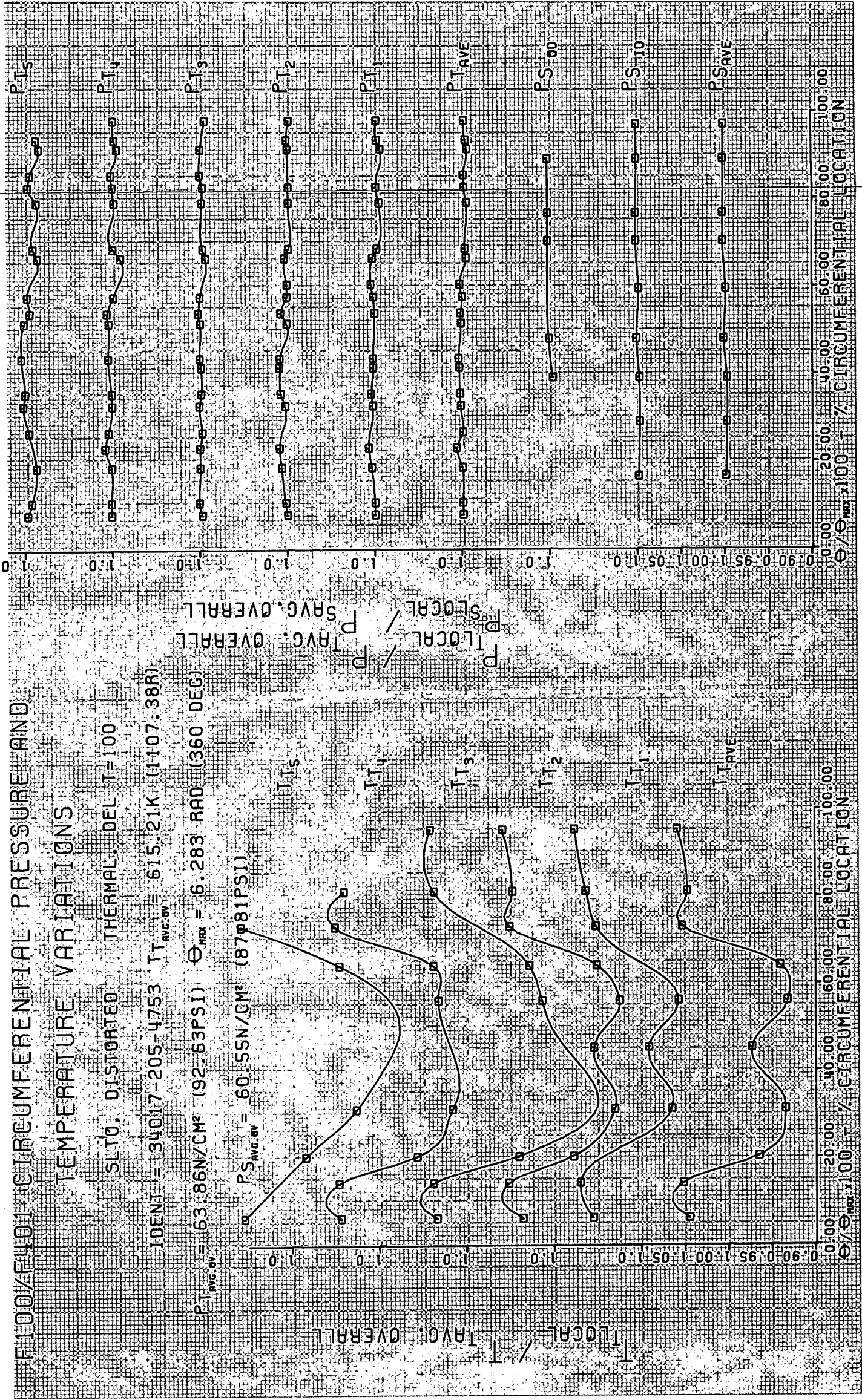


Figure 92.

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DF 92003

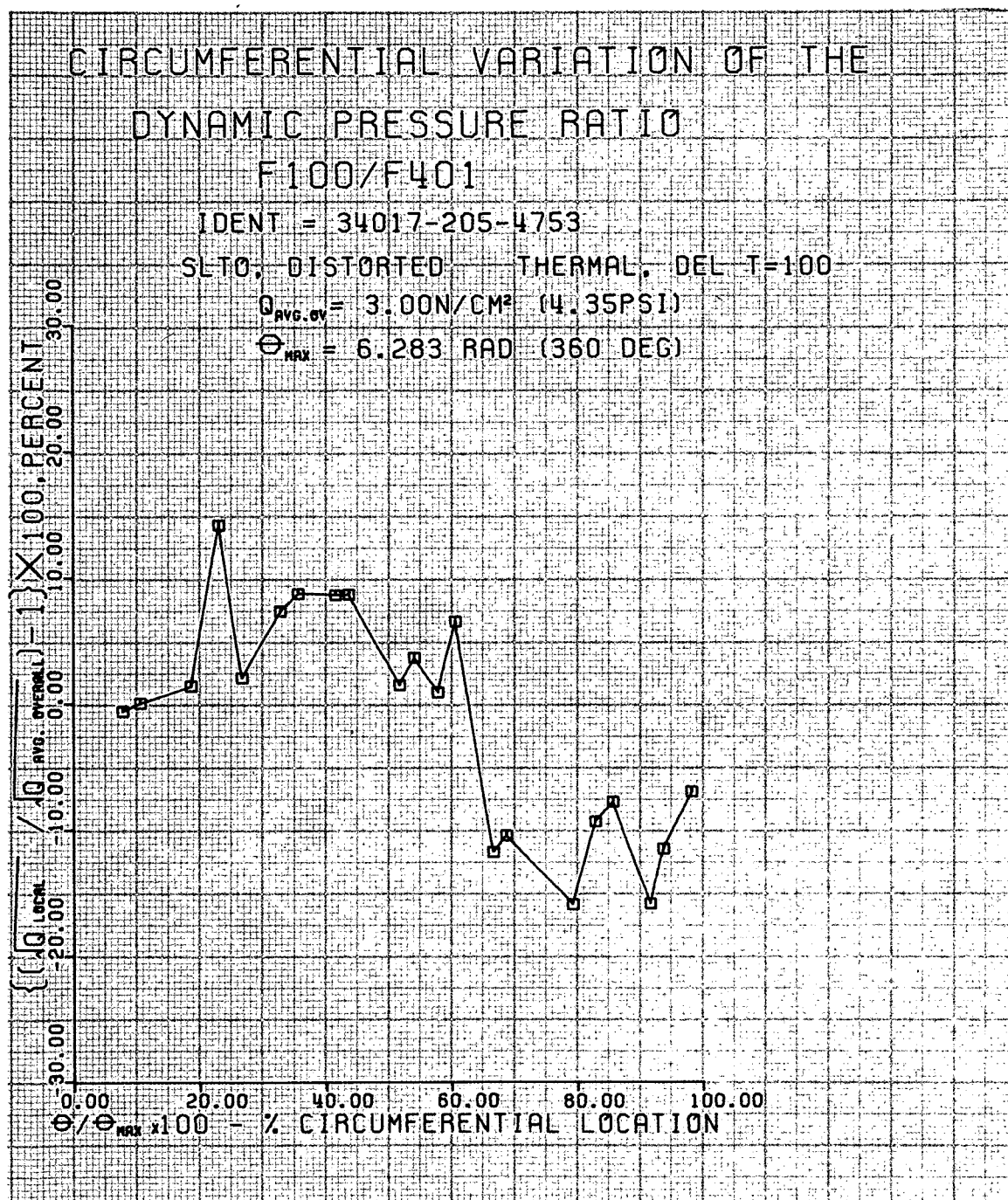


Figure 93.

DF 91972